

Abstract:

Piston Pump

The invention relates to a supply device for the supply of pressure fluid into at least one vehicle brake, into a pressure fluid reservoir or into a pressure fluid accumulator, with a pressure fluid inlet and a pressure fluid outlet as well as with the following features:

a piston 2 is movably arranged in an accommodating member 4 and has at least two hydraulically active diameters D1, D2 for the supply in the direction of the pressure fluid outlet,

at least one non-return valve 7, 12; 27 is used for the ventilation of a working chamber 11 into which the piston 2 is immersed.

It is the essence of the invention that the piston 2 has a multi-part design and comprises at least two synchronously movable partial pistons 13, 14; 13, 24, with the first partial piston 13 exhibiting the first hydraulically active diameter D1, and the second partial piston 14; 24 exhibiting the second hydraulically active diameter D2.

(Figure 2)